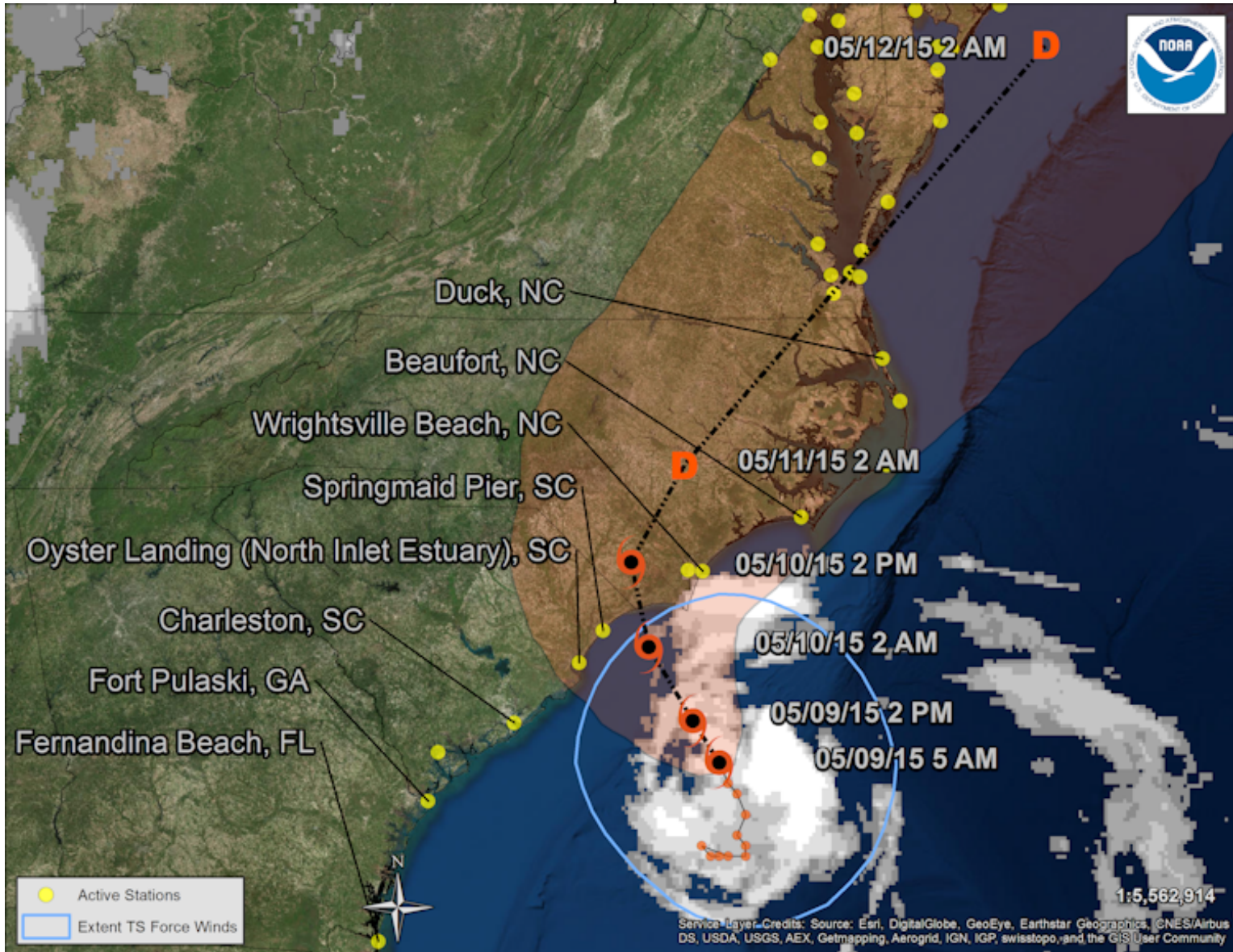




Tropical Storm ANA QuickLook
Posted: 06:00 EDT 05/09/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/09/2015 06:00 EDT water levels from northeast Florida to the central coast of North Carolina are slightly elevated and generally range between 1.0 to 2.0 feet above tidal predictions. Winds along the Carolina coast range from 10 to 20 knots with a few gusts over 30 knots. Barometric pressure has leveled out across the region.

Tropical Storm ANA QuickLook, POSTED 06:00 EDT 05/09/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLookHomepage.

Analyst: ADW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ANA ADVISORY NUMBER 6
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 AM EDT SAT MAY 09 2015

...ANA TRANSITIONS TO A TROPICAL STORM WHILE IT MOVES SLOWLY
NORTH-NORTHWESTWARD TOWARD THE CAROLINAS...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* South Santee River South Carolina to Cape Lookout

A Tropical Storm Watch is in effect for...

* Edisto Beach South Carolina to South of South Santee River

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, in this case within 12-24 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within 24 hours.

Interests elsewhere in eastern North Carolina should monitor the progress of Ana.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 AM EDT, the center of Tropical Storm Ana was located about 105 MI SSE of Cape Fear North Carolina and about 115 MI SE of Myrtle Beach South Carolina. Ana is moving toward the north-northwest near 3 mph. A turn toward the northwest and then back to the north at a slightly faster forward speed is expected over the next 48 hours. On the forecast track, the center will be near the coasts of South and North Carolina by Sunday morning.

Data from NOAA Doppler weather radars indicate that maximum sustained winds are near 60 mph with higher gusts.

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Although Ana has made the transition to a tropical storm, little additional strengthening is forecast through today. A gradual weakening trend is expected to begin by tonight or Sunday morning.

Tropical-storm-force winds extend outward up to 125 miles from the center. During the past couple of hours, the Frying Pan Shoals NOAA buoy measured a sustained wind of 41 mph and a gust to 56 mph.

The estimated minimum central pressure is 998 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning area, and possible within the watch area, by this afternoon or evening.

STORM SURGE: The combination of storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters. The water could reach 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Tropical Storm Ana is expected to produce rainfall accumulations of 1 to 3 inches, with isolated amounts of 5 inches, over eastern portions of North Carolina and South Carolina through Monday.

SURF: Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

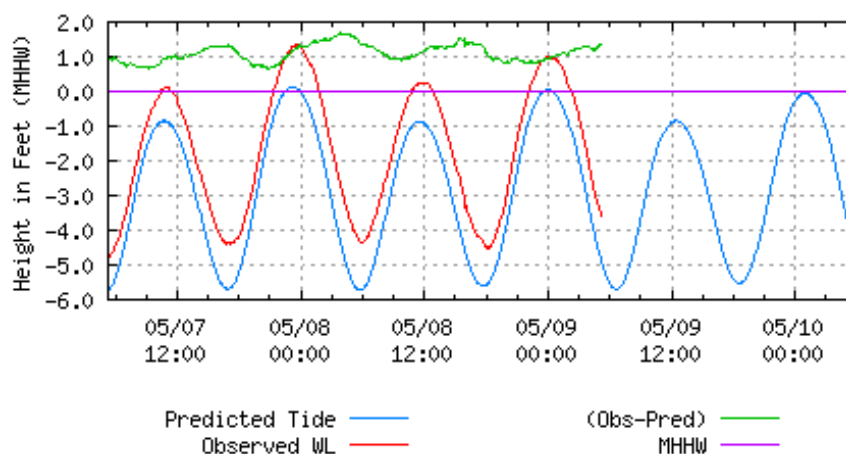
Forecaster Stewart

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Duck - Water Level](#), [Duck - Winds](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#)

Tropical Storm ANA QuickLook, POSTED 06:00 EDT 05/09/2015

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



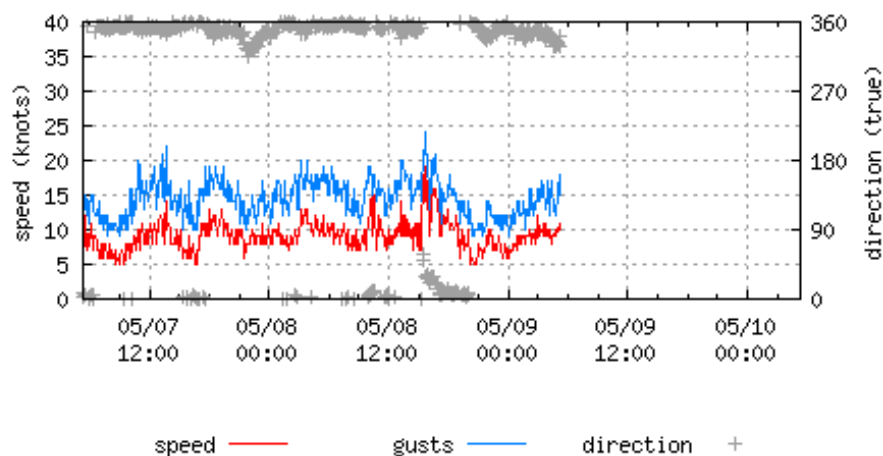
Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW

Observed: -3.59 ft. Predicted: -4.94 ft. Residual: 1.35 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/09/2015 12:24 (EDT), -0.85 ft.

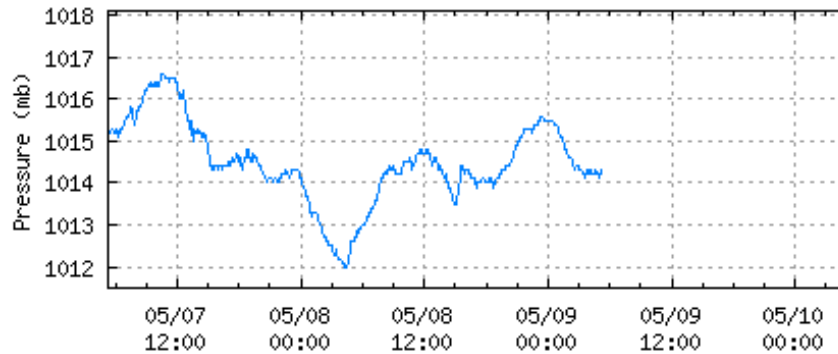
NOAA/NOS/CO-OPS 8665530 Charleston, SC
Wind Speed / Gusts / Direction



Last Observed Sample: 05/09/2015 05:12 (EDT)

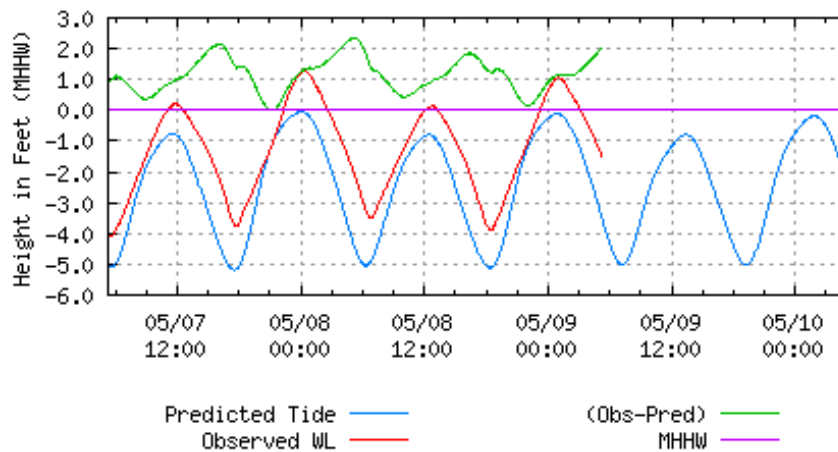
Wind Speed: 10 knots Gusts: 15 knots Direction: 342° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Barometric Pressure

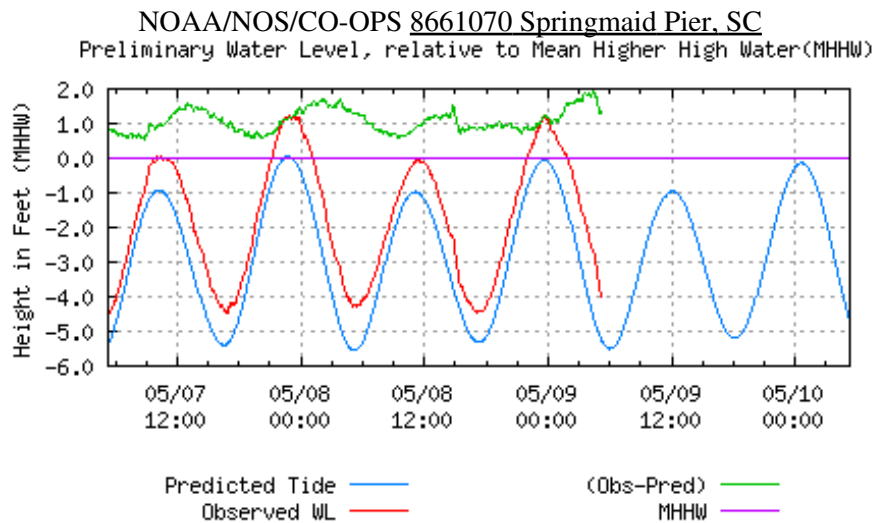


barometric pressure —
Last Observed Sample: 05/09/2015 05:12 (EDT)
Barometric Pressure: 1014.3 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW
Observed: -1.47 ft. Predicted: -3.49 ft. Residual: 2.02 ft.
Historical Maximum Water Level: Aug 26 2011, 2.40 ft.
Next High Tide: 05/09/2015 13:22 (EDT), -0.79 ft.

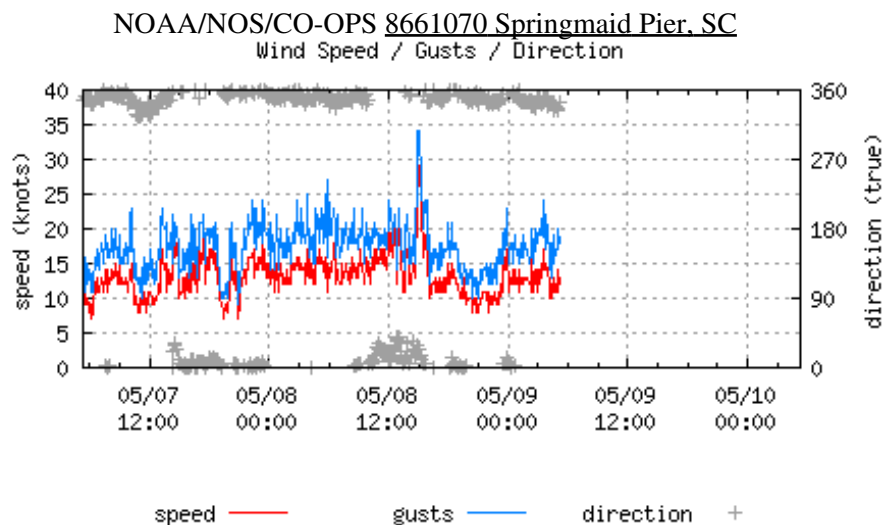


Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW

Observed: -4.00 ft. Predicted: -5.27 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

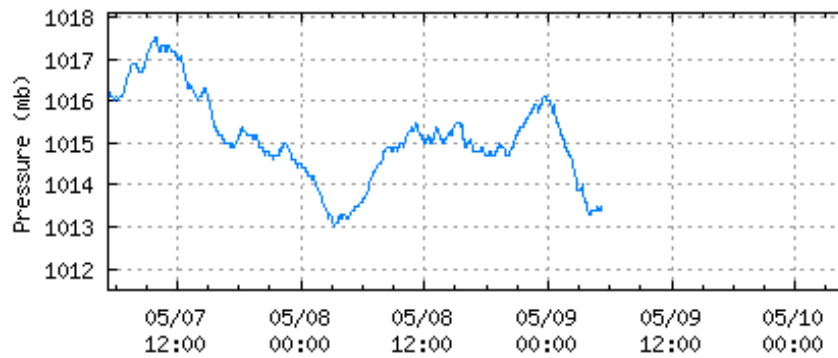
Next High Tide: 05/09/2015 12:04 (EDT), -0.97 ft.



Last Observed Sample: 05/09/2015 05:12 (EDT)

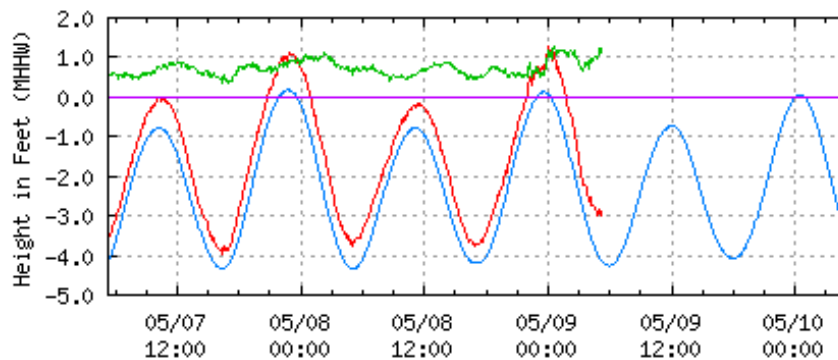
Wind Speed: 13 knots Gusts: 18 knots Direction: 344° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/09/2015 05:12 (EDT)
Barometric Pressure: 1013.5 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW

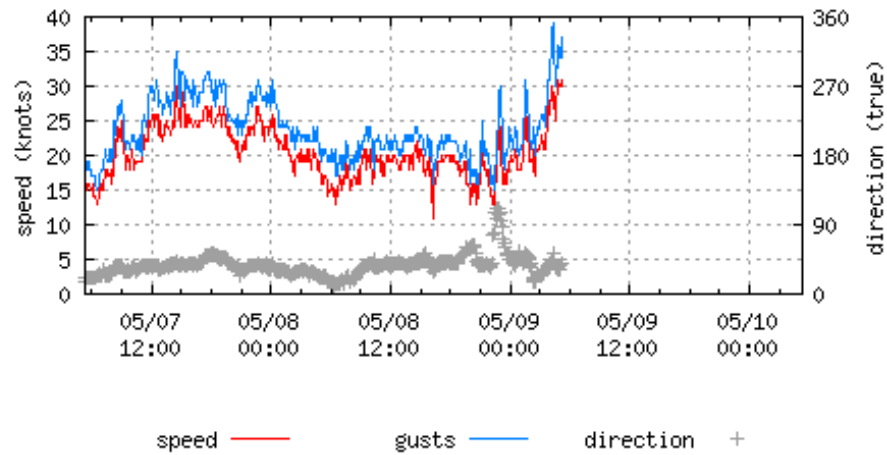
Observed: -2.90 ft. Predicted: -4.13 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/09/2015 12:00 (EDT), -0.73 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Wind Speed / Gusts / Direction

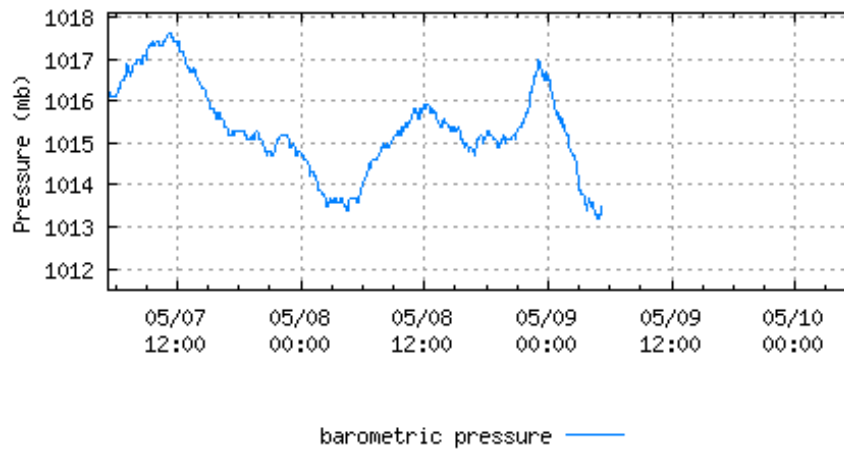


Last Observed Sample: 05/09/2015 05:12 (EDT)

Wind Speed: 30 knots Gusts: 34 knots Direction: 41° T

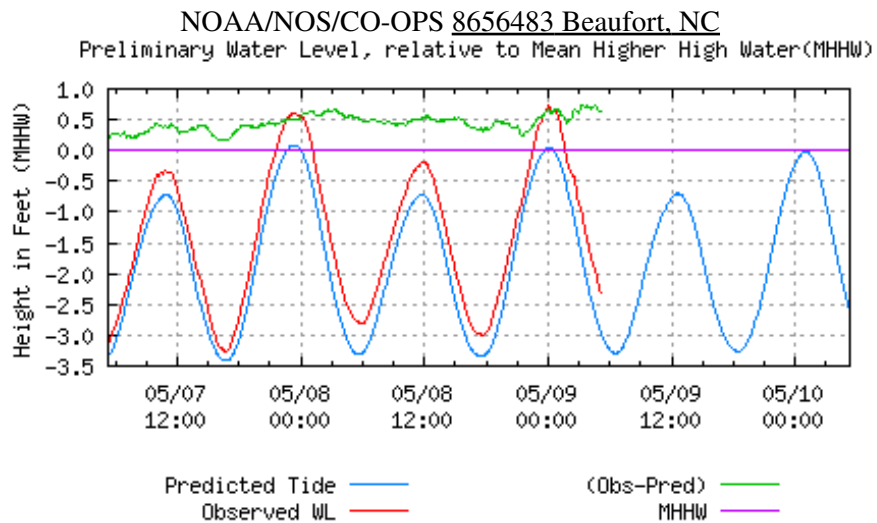
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Barometric Pressure



Last Observed Sample: 05/09/2015 05:12 (EDT)

Barometric Pressure: 1013.5 mb

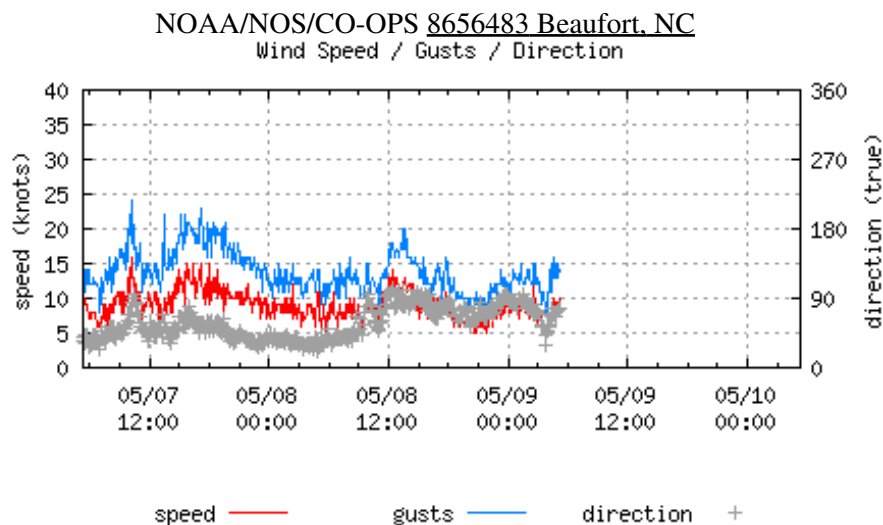


Last Observed Sample: 05/09/2015 05:06 (EDT). Data relative to MHHW

Observed: -2.32 ft. Predicted: -2.95 ft. Residual: 0.63 ft.

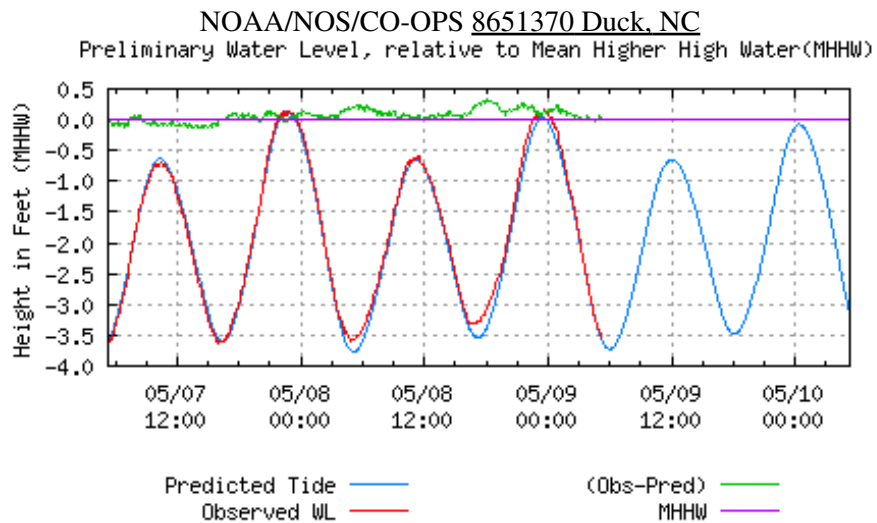
Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 05/09/2015 12:35 (EDT), -0.70 ft.



Last Observed Sample: 05/09/2015 05:06 (EDT)

Wind Speed: 10 knots Gusts: 14 knots Direction: 77° T

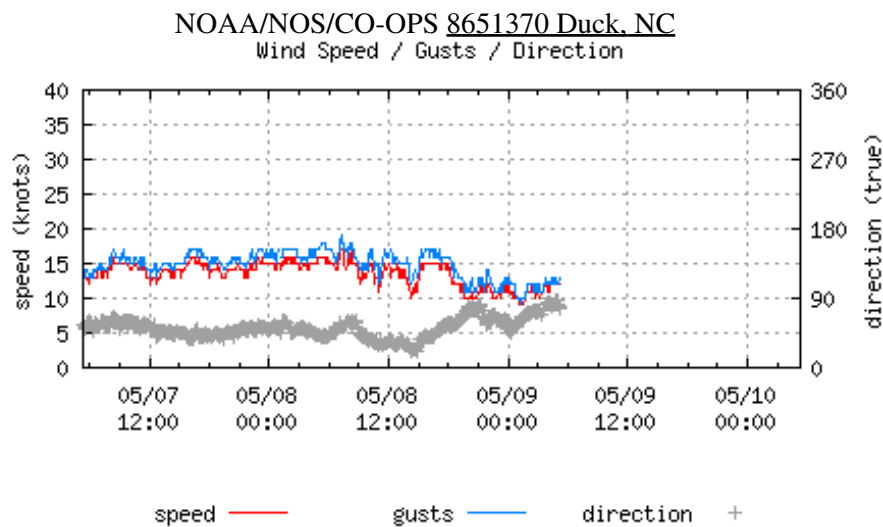


Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW

Observed: -3.54 ft. Predicted: -3.58 ft. Residual: 0.04 ft.

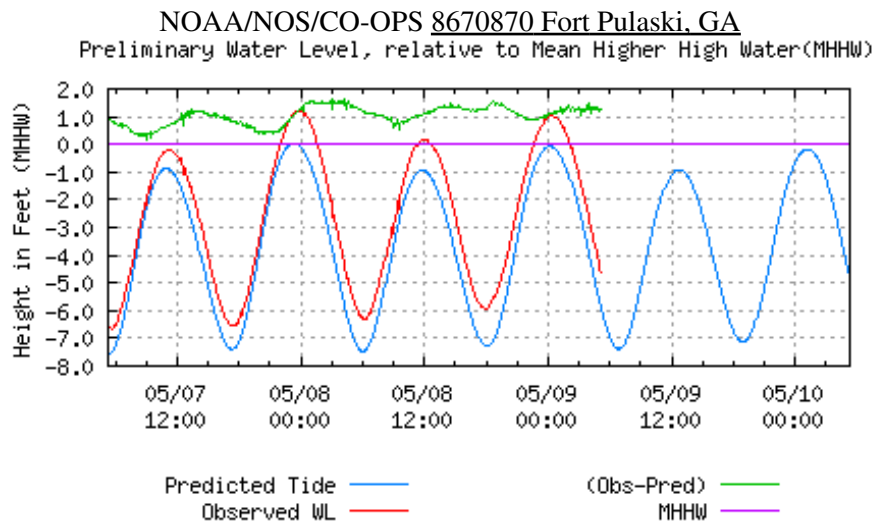
Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 05/09/2015 12:00 (EDT), -0.64 ft.



Last Observed Sample: 05/09/2015 05:12 (EDT)

Wind Speed: 12 knots Gusts: 13 knots Direction: 77° T

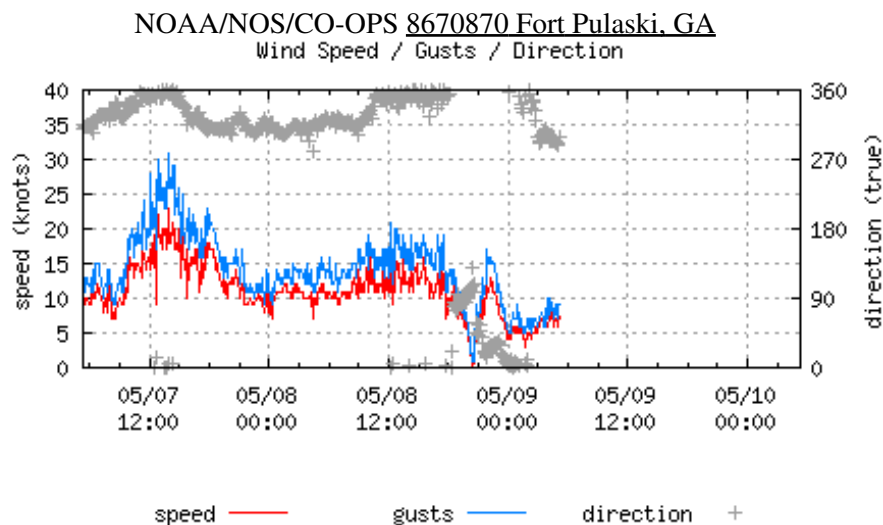


Last Observed Sample: 05/09/2015 05:06 (EDT). Data relative to MHHW

Observed: -4.62 ft. Predicted: -5.87 ft. Residual: 1.25 ft.

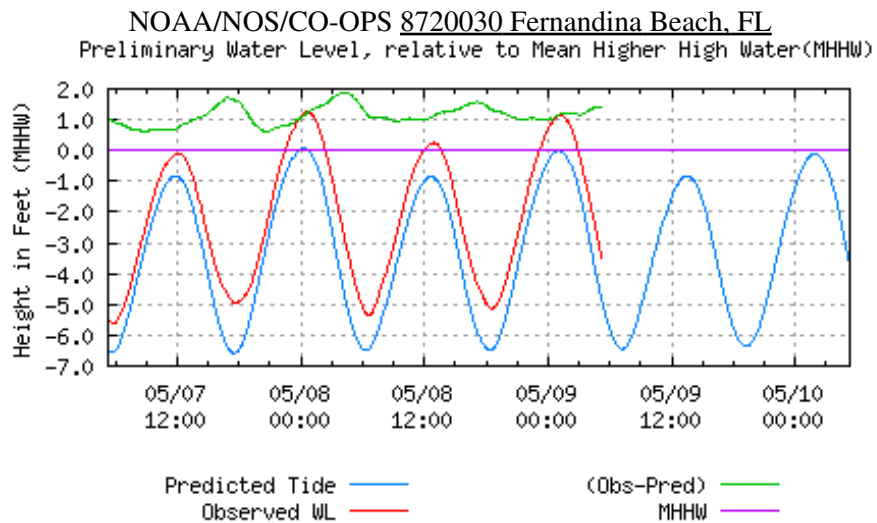
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/09/2015 12:43 (EDT), -0.91 ft.



Last Observed Sample: 05/09/2015 05:06 (EDT)

Wind Speed: 7 knots Gusts: 9 knots Direction: 298° T

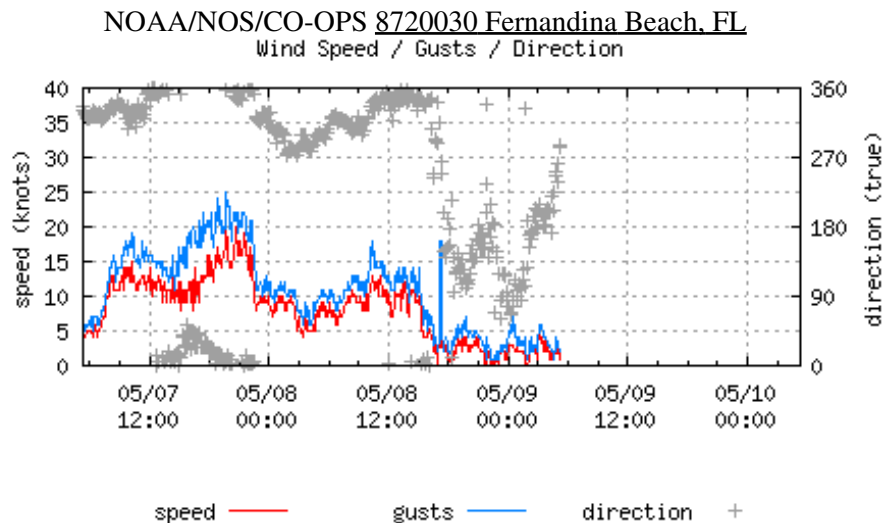


Last Observed Sample: 05/09/2015 05:12 (EDT). Data relative to MHHW

Observed: -3.49 ft. Predicted: -4.89 ft. Residual: 1.40 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 05/09/2015 13:28 (EDT), -0.83 ft.



Last Observed Sample: 05/09/2015 05:12 (EDT)

Wind Speed: 2 knots Gusts: 2 knots Direction: 282° T

Tropical Storm ANA QuickLook, POSTED 06:00 EDT 05/09/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8665530	Charleston, SC	05/09/2015 05:12 (EDT)	-3.59 ft	-4.94 ft	1.35 ft	1.01 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/09/2015 05:12 (EDT)	-1.47 ft	-3.49 ft	2.02 ft	1.05 ft
8661070	Springmaid Pier, SC	05/09/2015 05:12 (EDT)	-4.00 ft	-5.27 ft	1.27 ft	1.17 ft
8658163	Wrightsville Beach, NC	05/09/2015 05:12 (EDT)	-2.90 ft	-4.13 ft	1.23 ft	1.26 ft
8656483	Beaufort, NC	05/09/2015 05:06 (EDT)	-2.32 ft	-2.95 ft	0.63 ft	0.72 ft
8651370	Duck, NC	05/09/2015 05:12 (EDT)	-3.54 ft	-3.58 ft	0.04 ft	0.16 ft
8670870	Fort Pulaski, GA	05/09/2015 05:06 (EDT)	-4.62 ft	-5.87 ft	1.25 ft	1.03 ft
8720030	Fernandina Beach, FL	05/09/2015 05:12 (EDT)	-3.49 ft	-4.89 ft	1.40 ft	1.16 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce